

# MasterTile® 333

Premium, water based, non-sheen, penetrating sealer

## DESCRIPTION

**MasterTile 333** Sealer is a premium, water based, non-sheen, silane-siloxane penetrating sealer.

Solvent-free and formulated to provide water repellency and stain protection and may also be used as a pre-grouting sealer.

## KEY FEATURES

- High quality sealer for stone, tile and grout
- Excellent stain resistance
- Water-based formula
- For interior and exterior use
- Colourless, transparent and highly penetrating
- Reduces negative atmospheric effects
- Water vapour permeable

## SUITABLE TILE TYPES

Sealer for all natural stone surfaces, unglazed tile, porcelain, clay pavers, concrete, brick, masonry, and grout.

For interior and exterior use.

## PACKAGING

**MasterTile 333** is available in 20 litres.

## TECHNICAL DATA\*

Material structure	Oil in water silane-siloxane emulsion.
Colour	Transparent
Application substrate temperature	+5°C to +35°C
Service temperature	-20°C to +80°C
Drying time	30 minutes between coats
	2 hours foot traffic
	Full cure 24 hours

NB Coverage values are given as a guide only and can vary greatly depending on the type of material being sealed.

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION BEFORE APPLICATION

Surface should be dry, clean and free of waxes, sealers or finishes.

New installations need to be dry 48 hours before application. Protect surrounding surfaces. Test product in an inconspicuous area to ensure desirable results.

### PRECONDITIONS FOR A CORRECT SURFACE TREATMENT

The applicator has to make sure the substrate to treat absorbs the water repellent emulsion.

The more porous and absorbent the material is the higher is the efficiency.

The substrate will absorb less water repellent emulsion if it is wet, coated with a film forming coating (paint or varnish), treated with a water repellent additive, has a very low porosity (for example, some high performance concrete have very low porosity).

Drying the substrate is an important precondition in order to achieve maximum penetration depth. This can be achieved by making sure the water repellent emulsion is applied after 10 days following the last exposure of the surface to water or rain.

Wet substrates already contain water inside the capillaries. This reduces the uptake of water repellent material and results in reduced repellency.

The following conditions need to be fulfilled to insure good efficiency of the water repellent application:

- The surface to be sealed must be absorbent, clean and dry.
- The surface must be free of any contaminants or other surface films such as paint or varnish.

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- All existing surface treatments should be removed. If any chemical cleaners are used, they must be properly rinsed off to avoid any reaction with the water repellent emulsion. Chemical cleaner residues can cause discoloration, decrease reaction rate or lack of reaction of the water repellent sealer.
- Damaged substrates have to be repaired or replaced and allowed to cure before application of the stone sealer.
- The facade has to be free of visible cracks. Cracks have to be filled with adequate filling materials, would it be elastic sealant, grouting material or cementitious based mortar.
- Do not apply onto walls that have evidence of rising damp. The source of the rising dampness must be dealt with and then the wall should be allowed to dry out prior to the sealer being applied. The drying out of a damp wall can take up to several months.
- Algae and moss growth has to be removed prior to application.
- The facade has to be clean and exempt of dirt (which leads to a lower absorption) or greasiness will reduce water repellent emulsion absorption.
- All efflorescence has to be removed mechanically followed by cleaning with water or steam jet prior to application of the sealer.
- Avoid splashes onto glass, windows, door frames and other sensitive materials as this may cause staining.
- Fresh concrete and the mortar joints must have cured, i.e. application should be carried out after 3 to 4 weeks.
- The quantity of water repellent emulsion applied to the natural stone tile or paver should match the tile or pavers absorbency. Do not apply more of the sealer than the tile or paver surface will absorb as this may change the visual aspect of the tile or paver.

The impact of the water repellent emulsion on the surface appearance of the substrate need to be tested beforehand. Application of water repellent emulsion can lead to some color modification or darkening of the substrate.

## APPLICATION OF PRODUCT

**USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.**

Read entire label before using.

Apply using a paint pad applicator, sponge or brush.

Allow the sealer to penetrate for up to 5 minutes. Wipe surface completely dry using clean, dry cotton, paper or microfiber towels after each application.

Porous surfaces may require additional applications.

Conduct a test to see if surface is completely sealed after 2 hours by applying drops of water on the surface. If it penetrates, an additional application is required.

## Pre-Grout Sealer/Grout Release

Coloured grout may stain porous tile and stone during installation.

Sealing the tile before grouting will make grout removal much easier.

Apply sealer according to directions after tile has been bonded for a minimum of 24 hours, or apply to front face of tile before installation.

Wait a minimum of 2 hours before grouting.

## COVERAGE

**MasterTile 333** can be applied between 4m<sup>2</sup>-28m<sup>2</sup> / litre, depending on the porosity and profile of the substrate. Refer to the method statement for coverages and application details.

## DRYING TIMES

Allow 30 minutes drying time between applications.

Ready for surface traffic in 2 hours.

Keep dry for 12 hours.

Achieves a full cure in 24 hours.

## CLEANING OF EQUIPMENT

Clean tools with mineral spirits after use.

## HEALTH PRECAUTIONS

**MAY BE HARMFUL IF SWALLOWED. MAY IRRITATE EYES AND SKIN.**

Wear appropriate skin and eye protection equipment and ventilate area when spraying.

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Contains glycol ether monobutyl ether. If in eyes, flush with water for at least 15 minutes. If on skin, wash with soap and water. If irritation persists, seek medical attention. If swallowed, DO NOT induce vomiting. Seek medical attention.

## PRODUCT MAINTENANCE

Do not use cleaners containing ammonia, acids or bleach.

Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application of sealer will be necessary to keep sealer at peak performance.

## TECHNICAL SERVICES INFORMATION

For technical assistance, contact your local BASF technical services team.

## EXPECTED WEAR

Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used. Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.

## HANDLING & STORAGE

Close container tightly after each use.  
Store in original container only.  
Store and use between temperatures of 0°C and 30°C.  
Dispose of residue or any unused leftover product in accordance with applicable local requirements.

## PRODUCT LIMITATIONS

If product is allowed to dry on surface, a white film may form. If this occurs, scrub with a white nylon pad.

Sealer will not prevent surface wear or etching from acids or caustic chemicals.

Not to be considered as a waterproof membrane. All stone sealers are applied to act as a protection for stone against staining prior to clean-up, hence prolonging the amount of time before stains penetrate. Stone sealers are not to be considered as a permanent non-stain solution for natural stone.

## SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Reseal containers after use. For further information, refer to material safety data sheet.

## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.  
BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

## QUALITY AND CARE

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

\* Properties listed are based on laboratory controlled tests.

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## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

## NOTE

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